



CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
416 W. Congress St., Suite 100
Tucson, Arizona 85701
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

The following file is part of the Grover Heinrichs Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

May 17, 1971

Mr. J. Kenneth Jones, Chief Geologist
Essex International, Inc.
1704 West Grant Road
Tucson, Arizona 85705

Dear Mr. Jones:

At the request of Mr. Frank J. Frankovich of the Atlas Mining Company in Spokane, I have sent to you under separate cover, the following maps and reports on the properties of National Western Mines in Montana:

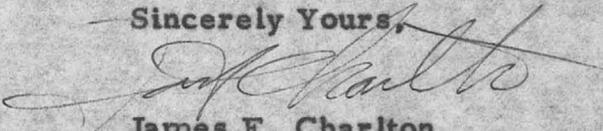
- (a). Geological Maps on the Copper Cliff properties in Missoula County, Montana,
- (b). Geological Report on the Copper Cliff properties prepared by Joe G. Irving,
- (c). Geological Report on the Garnet Mining District in Granite County, Montana, prepared by Joe G. Irving.

I have requested Mr. Irving to forward to you direct, a set of geological and ownership maps on the Garnet holdings.

If you should need additional information, Mr. Frankovich should have it available or we will provide it on his request.

With the major holdings of National Western Mines in these two districts and with the considerable potential which they have, we believe that you will find these properties merit your attention.

Sincerely Yours,


James F. Charlton

JFC:hs

cc: Frank J. Frankovich

COUNTY: MINERAL	COUNTRY: USA	STATE: MONTANA	NAME OF PROPERTY: NANCY LEE MINE
DISTRICT OR AREA: East Coeur-de-Alene	METALS: Ag, Cu	ACCOUNT NUMBER: 1002	NUMBER: 79
GENERAL DESCRIPTION: Silver, copper veins and/or stratiform deposit in belt series sediments		EXAMINED BY: DATE: BRIEFED BY: J.K. Jones DATE: May 6, 1971 STATUS: May 11, 1971 Frankovich and Ken Wilson both called to report property has been optioned to United Nuclear who will spend \$500,000 in first year.	
TYPE OF DEPOSIT: Possible stratiform copper-silver deposit		LOCATION: 4 miles west of Superior, Mont., 4 mi. north on good dirt road. ELEVATION: 3500' ± LAT: LONG: ACCESS: Good gravelled road 4 miles long maintained by county.	
GEOLOGY Belt series sediment including Revett quartzite ore folded, faulted, mineralized.		DEVELOPMENT: Several thousand feet underground workings, numerous shallow cuts	
MINERALIZATION: Fine grained disseminated tetrabedrite in quartzite. Frankovich insists that mineralization is bedding controlled. Previous exploration conducted on basis of vein theory may have underestimated potential.		PROPERTY & OWNERSHIP: Approx. 10 sq. miles owned by Nancy Lee Mines, Inc., a stock company. Contact Frank J. Frankovich, E. 34 High Dr., Spokane, Wash. 99203. Phone (509) 747-2378. Some patented claims	
GEOPHYSICS:		AERIAL PHOTOGRAPHS:	
GEOCHEMISTRY: Some by Tierra Exploration		TOPOGRAPHIC MAPS:	
MAPS & REPORTS: Some maps available in Superior, Mont., or on ground at trailer. 5-11-71 in view of option to United Nuclear, maps will not be sent to us.			

MINERAL PROSPECT

DEPOSIT DATA SHEET

ESSEX INTERNATIONAL, INC.

1704 WEST GRANT RD., TUCSON, ARIZONA 85705

PHONE (602) 624-7421

BY: J.K. Jones

DATE: May 6, 1971

NAME OF PROPERTY:

NANCY LEE MINE

NUMBER:

REFERENCES:

PRODUCTION & RESERVES El Cor mined 250,000 oz. Ag from rock containing about 12 oz. Ag, 0.9% Cu. Possible 150,000 tons at same grade left.

SAMPLES:

In tunnel 65 ft. at 13 oz. Ag
Ben Loman 7 ft across Revett quartzite
6 to 16 oz Ag, 6% Cu. on bed dipping
25 to 35°.

METALLURGY:**ENGINEERING:****FACILITIES:**

Some mining equipment, small mill on ground, 150 TPD on 24 hr. basis, 100 tons/day on 8 hr. basis.

EXPLORATION POSSIBILITIES:

Possibility of substantial tonnage of strata-bound Ag-Cu mineralization

ADDITIONAL INFORMATION OR SKETCH MAP:

Tierra Explorations, Inc., currently holds lease on 60% of net profit, 40% goes to Nancy Lee Mines, Inc. Tierra Ex. was formed by some of principals in El Cor Chemical including Ralph Lea, Pres. of Tierra, Midland, Texas, and Roy Campbell, Pres. El Cor Chemical. Tierra must pay advance royalty of \$1500 per month plus maintain assessment work and taxes. El Cor and Tierra are going broke.

Tierra would like to recoup about \$20,000 for new value of equipment on ground including diesel generator, drills, miscellaneous mining equipment

Tierra Explorations, Inc.
Ralph Lea, Pres.
2003 Wilco Bldg., Midland, Texas 79715
(915) MU2-3397

Nancy Lee Mines, Inc. has 3 million shares outstanding with current over-the-counter price of about \$1 bid, \$1.25 asked. 600,000 shares involved in an estate under litigation and may be returned to company.

May 10, 1971

Mr. Frank J. Frankovich
East 34 High Drive
Spokane, Washington 99203

Dear Frank:

Enclosed is some information on Essex International, Inc., that I promised. As I mentioned, Essex definitely is interested in considering the Nancy Lee Mine as a possible copper and silver producer. Paul Eimon will return to Tucson in a few days to discuss the property with me, and we will get in touch with you later.

In the meantime, we would appreciate the chance to review any maps and other information that might be available.

Sincerely,

J. K. Jones
Chief Geologist

ESSEX INTERNATIONAL, INC.

JKJ:td

cc: H. Lanier ✓
P. Eimon

enclosures

F
Prospect file E/No
minerals
Montana
M002

COUNTY: MINERAL	COUNTRY: USA	STATE: MONTANA	NAME OF PROPERTY: NANCY LEE MINE
DISTRICT OR AREA: East Coeur-de-Alene	METALS: Ag, Cu	ACCOUNT NUMBER: 1002	NUMBER: 79
GENERAL DESCRIPTION: Silver, copper veins and/or stratiform deposit in belt series sediments		EXAMINED BY: DATE:	
TYPE OF DEPOSIT: Possible stratiform copper-silver deposit		BRIEFED BY: J.K. Jones DATE: May 6, 1971	
GEOLOGY Belt series sediment including Revett quartzite ore folded, faulted, mineralized.		STATUS: May 11, 1971 Frankovich and Ken Wilson both called to report property has been optioned to United Nuclear who will spend \$500,000 in first year.	
		LOCATION: 4 miles west of Superior, Mont., 4 mi. north on good dirt road. ELEVATION: 3500' ± LAT: LONG:	
		ACCESS: Good gravelled road 4 miles long maintained by county.	
		DEVELOPMENT: Several thousand feet underground workings, numerous shallow cuts	
MINERALIZATION: Fine grained disseminated tetrabedrite in quartzite. Frankovich insists that mineralization is bedding controlled. Previous exploration conducted on basis of vein theory may have underestimated potential.		PROPERTY & OWNERSHIP: Approx. 10 sq. miles owned by Nancy Lee Mines, Inc., a stock company. Contact Frank J. Frankovich, E. 34 High Dr., Spokane, Wash. 99203. Phone (509) 747-2378. Some patented claims	
GEOPHYSICS:		AERIAL PHOTOGRAPHS:	
GEOCHEMISTRY: Some by Tierra Exploration		TOPOGRAPHIC MAPS:	
MAPS & REPORTS: Some maps available in Superior, Mont., or on ground at trailer. 5-11-71 in view of option to United Nuclear, maps will not be sent to us.			

MINERAL PROSPECT

DEPOSIT DATA SHEET

ESSEX INTERNATIONAL, INC.

1704 WEST GRANT RD., TUCSON, ARIZONA 85705
PHONE (602) 624-7421

BY: J.K. Jones

DATE: May 6, 1971

NAME OF PROPERTY:

NANCY LEE MINE

NUMBER:

REFERENCES:

PRODUCTION & RESERVES El Cor mined 250,000 oz. Ag from rock containing about 12 oz. Ag, 0.9% Cu. Possible 150,000 tons at same grade left.

SAMPLES:

In tunnel 65 ft. at 13 oz. Ag
Ben Loman 7 ft across Revett quartzite
6 to 16 oz Ag, 6% Cu. on bed dipping
25 to 35°.

METALLURGY:**ENGINEERING:****FACILITIES:**

Some mining equipment, small mill on ground, 150 TPD on 24 hr. basis, 100 tons/day on 8 hr. basis.

EXPLORATION POSSIBILITIES:

Possibility of substantial tonnage of strata-bound Ag-Cu mineralization

ADDITIONAL INFORMATION OR SKETCH MAP:

Tierra Explorations, Inc., currently holds lease on 60% of net profit, 40% goes to Nancy Lee Mines, Inc. Tierra Ex. was formed by some of principals in El Cor Chemical including Ralph Lea, Pres. of Tierra, Midland, Texas, and Roy Campbell, Pres. El Cor Chemical. Tierra must pay advance royalty of \$1500 per month plus maintain assessment work and taxes. El Cor and Tierra are going broke.

Tierra would like to recoup about \$20,000 for new value of equipment on ground including diesel generator, drills, miscellaneous mining equipment

Tierra Explorations, Inc.

Ralph Lea, Pres.

2003 Wilco Bldg., Midland, Texas 79715

(915) MU2-3397

Nancy Lee Mines, Inc. has 3 million shares outstanding with current over-the-counter price of about \$1 bid, \$1.25 asked. 600,000 shares involved in an estate under litigation and may be returned to company.



Cromwell Management Company

May 17, 1971

EXM
MAY 21 1971
RECEIVED

Mr. J. Kenneth Jones, Chief Geologist
Essex International, Inc.
1704 West Grant Road
Tucson, Arizona 85705

Dear Mr. Jones:

At the request of Mr. Frank J. Frankovich of the Atlas Mining Company in Spokane, I have sent to you under separate cover, the following maps and reports on the properties of National Western Mines in Montana:

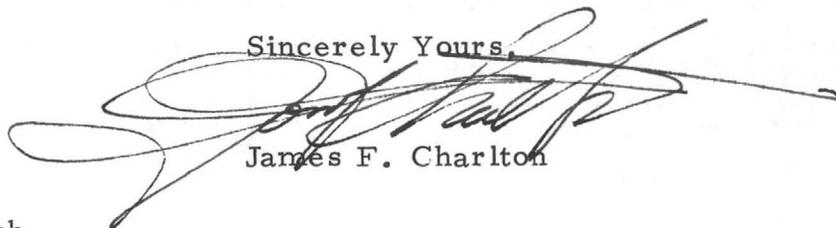
- (a). Geological Maps on the Copper Cliff properties in Missoula County, Montana,
- (b). Geological Report on the Copper Cliff properties prepared by Joe G. Irving,
- (c). Geological Report on the Garnet Mining District in Granite County, Montana, prepared by Joe G. Irving.

I have requested Mr. Irving to forward to you direct, a set of geological and ownership maps on the Garnet holdings.

If you should need additional information, Mr. Frankovich should have it available or we will provide it on his request.

With the major holdings of National Western Mines in these two districts and with the considerable potential which they have, we believe that you will find these properties merit your attention.

Sincerely Yours,



James F. Charlton

JFC:hs
cc:

Frank J. Frankovich

09/15/01

NANDY CREEK MINE

7-16-71 JKN, FF, JF

Ben Lamm area



2 Samples by FF

10-15' white gypsiferous exposed top of cut, underlain by 5' white mica schist, underlain by partly exposed gypsiferous schist with prominent FeOx - mostly goethite, patches quartzite & malachite. FF reports 30" sample at tunnel portal assay 9.73 Agg, 15% of Cu.

FF thinks strongly festinated 'small' schist's gypsiferous below unmineralized beds is bedded occurrence in stratiform. Not certain of their nature of exposure. Some fracturing - steep - also some brecciation in this zone. Represents 1000 30 ft. Thickened if stratiform, maybe some with 1/8 steep dipping fracture zone.

New sample taken by FF 3' W of west edge of upper part of stoned zone. See 2 Kodak film slots taken from points 1 & 2 looking westward.

Frankovich file contains:

Some geol. notes by Keith Whitney, ASARCO

311,000 T. @ 14.203 Ag., Measured 65,400 @ 14.203.

COMINCO Dec 1967 FSH

1968 UP tried to option west end of area - Ben Loman, Little Pittsburgh, but alluded to difficulties in negotiation for center of claim group

FS Hurley of Cominco, Dec 1967

Keystone vein is 3 to 5' siderite, bounded by shattered ~~rock~~ argillite of gtzite producing 10 to 35' width of 14.203 Ag ore

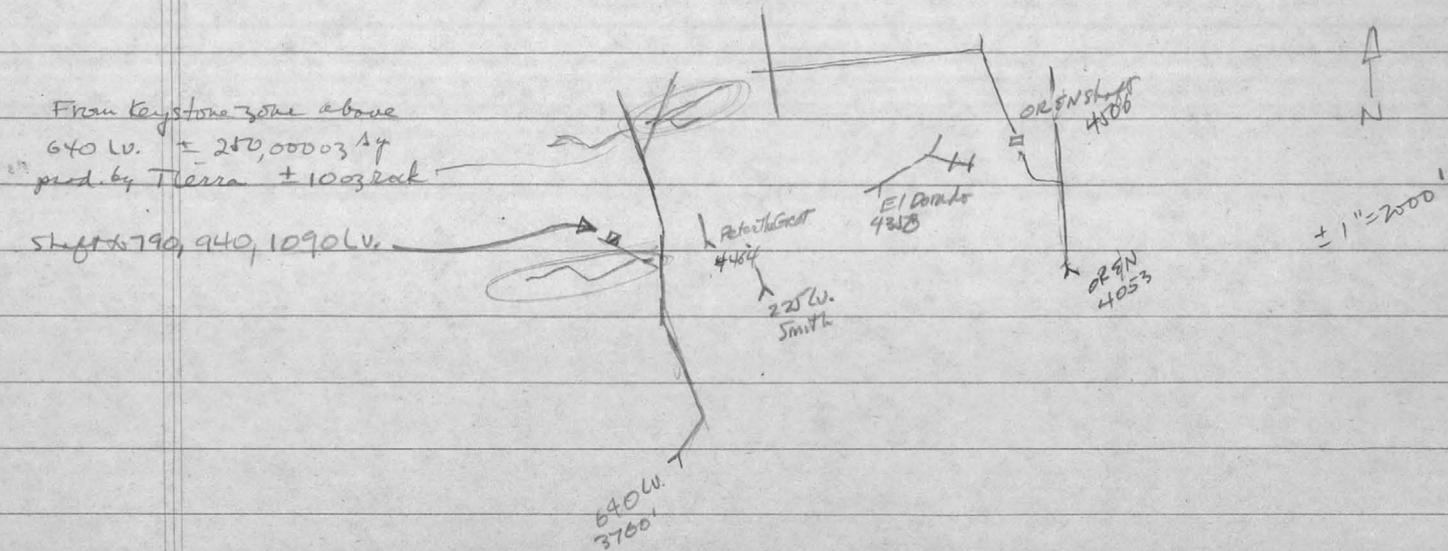
Nancy Lee 1901-1953

Recovered 52,034 Tons 34003 Au 176,77203 Ag 494,958 lbs Cu 2,474,715 lbs Pb. 505,870 lbs Zn.

Est. 70,000 Tons @ ??

- REFERENCES {
- USGS Bull. 1027M Recon Geol. of Western Mineral Co., Montana.
 - Wallace R.E. & Hosterman, J.W. 1956
 - USGS Bull. 1082

(elev. 3760')
640 level, approx 3000 ft airt slightly west of north, encounter Queen-King zone about @ 2000', and "Keystone" zone at about 3000 ft. Numerous shallow workings along about N60E alignment



4100
3760
410
1140

790 Lu. 290' along drift, 6.8' ave width 8.6 Pb 9.1 Ag 4.2 Zn 1.6 Cu
between 4100 E & 4400 E

1090 Lu. No ore??

940 about 90' (802 cons) 0.9 Pb 2.7 Ag 1.4 Zn 1.4 Cu

Within Nancy Lee workings proper ~~and~~ two probably in 2 vein systems developed ^{for max.} 3000 feet on strike, 1190 feet vertically.

Only the southernmost and apparently most continuous of the zones (King, Peter the Great?) developed below 640 level, but ~~the~~ no ore found on 1090 level. Northernmost zone (Keystone) ~~rather~~ developed to 640 level - Fiers mined 210,000 ounces Ag at and above level. (-1003, about 25000 tons - prob could have mined smaller, high grade tonnage) Stopes not filled soon enough, started to squeeze, but some still accessible. Sporadic surface & underground development work, some quite old, along zones for more than 2 miles.

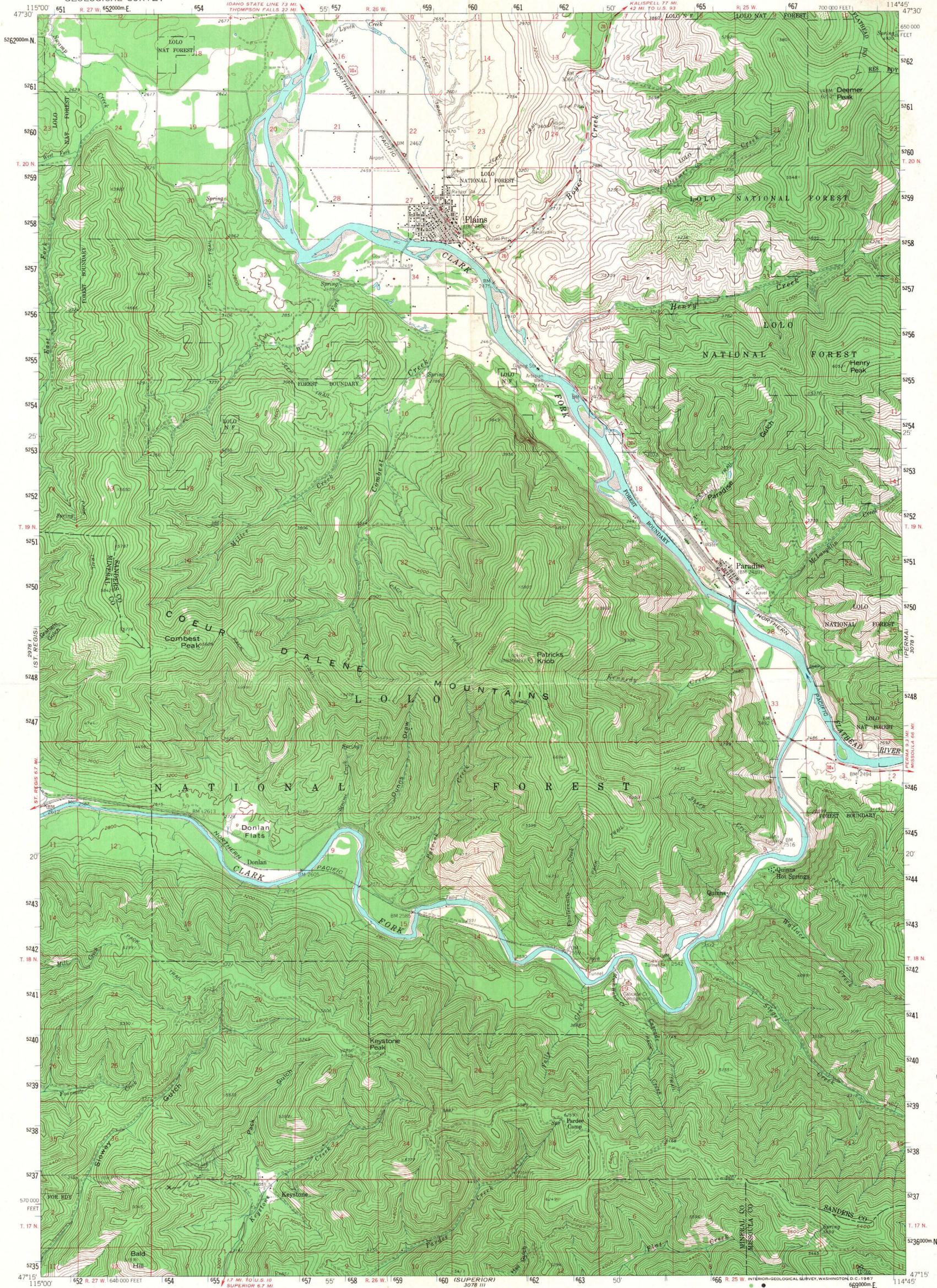
Evidence for strata-bound mineralization not conclusive, altho vein is significantly warped and may parallel bedding in places

Additional well financed, carefully directed (geologically and operationally) development would have reasonable chance of developing additional tonnage, possibly substantial amount, of 3 to 2003 Ag with significant amounts of Pb, Zn, Cu. Probably would require square set stoping thus very high cost mining

Concentrate assay: (by COMINCO) Keystone Zone, 640 level.

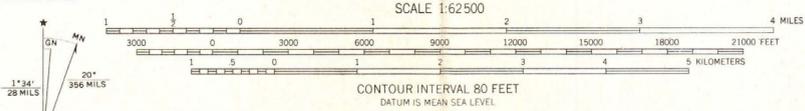
243.5 oz Ag 0.62% Au 9.31% Cu 18.0% Pb 1.1% Zn

From ore containing ^{about} 14.2 Ag 1.0% Cu 0.5% Pb.



ILLINOIS PEAK
298 ft

Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1954-1955. Field check 1959
Polyconic projection. 1927 North American datum
10,000-foot grid based on Montana coordinate system,
central zone
1000-meter Universal Transverse Mercator grid ticks,
zone 11, shown in blue
Dashed land lines indicate approximate locations
Land lines unsurveyed in part of T. 19 N., R. 27 W.



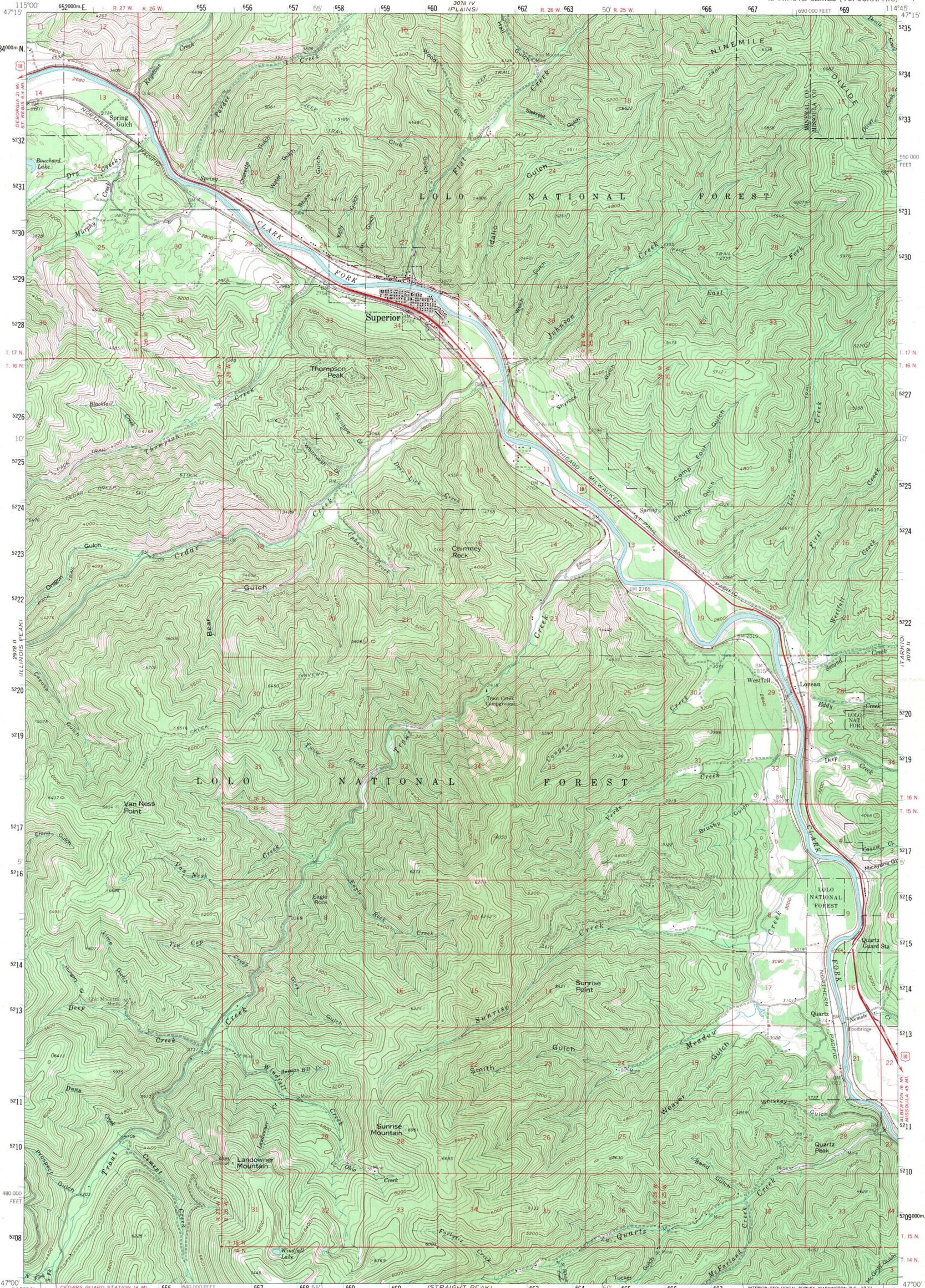
ROAD CLASSIFICATION
Medium-duty ——— Light-duty ———
Unimproved dirt - - - - -
U.S. Route ——— State Route ———

PLAINS, MONT.
N4715-W11445/15

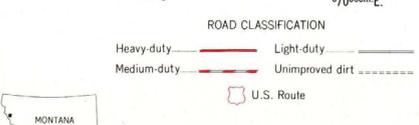
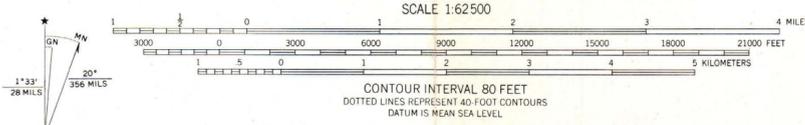
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

1959
AMS 3078 IV--SERIES V794

Sold By
WESTERN CARTOGRAPHY, INC.
2005 So. Ave. West, Missoula, Mont.
AUTHORIZED DEALER FOR
U.S. GEOLOGICAL SURVEY MAPS



Maped, edited, and published by the Geological Survey
Control by USGS and USC & GS
Topography by photogrammetric methods from aerial
photographs taken 1954. Field checked 1960
Polyconic projection. 1927 North American datum
10,000-foot grid based on Montana coordinate system,
central zone
1000 meter Universal Transverse Mercator grid ticks,
zone 11, shown in blue
Where omitted, land lines have not been established



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

SUPERIOR, MONT.
N4700-W11445/15
1960
AMS 3078 III-SERIES V794

Sold by
WESTERN CARTOGRAPHY, INC.
2005 So. Ave. West, Missoula, Mont.
AUTHORIZED DEALER FOR
U.S. GEOLOGICAL SURVEY MAPS